Data Validation Checklist
Semivolatile Organic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15268508.20000
Laboratory:	TestAmerica – Tampa, FL	Job ID.:	680-87655-3
Method:	SW-846 8270C Low-Level (PAH)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date(s) Collected:	02/19/2013
Reviewer:	Jane Lindsey	Date:	03/12/2013
Concurrence[1]:	Carol Lovett/Sarah Choyke	Date:	03/29/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (≤7 and 14 days from collection to extraction for aqueous and solid samples, respectively; ≤40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result.			✓		
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			
11. Were target analytes detected in equipment/rinsate blanks?		✓		PAH were not detected during the analysis of rinsate blank 022013-RB-Sieve (680-87709-57)	
12. Are equipment/rinsate blanks associated with every sample? If	✓			According to the QAPP, a rinsate blank is to be collected after each decontamination event, which	

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
no, note in DV report.				occurs once per week per the client. A rinsate blank (022013-RB-Sieve) was collected during the week of 02/18/2013. The rinsate blank was analyzed for PAHs under Test America Job ID 680-87709-3.	
13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this Job?	✓			• FM0161LLLL-CSD (680-87655-43) is a field duplicate of FM0161LLLL-CS (860-87655-42). • FM0161PPPP-CSD (680-87655-48) is a field duplicate of FM0161PPPP-CS (680-87655-47).	
15. Was precision deemed acceptable as defined by the project plans?	✓			Refer to **Attachment B** (Field Duplicate Evaluation)	
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? • Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. • An initial calibration is to be associated with each sample analysis. • A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument.	✓			• Initial Calibration: 02/22/2013, instrument BSMC5973 • ICV: 02/22/2013 @ 14:06 • CCV 02/27/2013 @ 16:15 • CCV: 02/28/2013 @ 11:56 • Initial Calibration: 02/22/2013, instrument BSMD5973 • ICV: 02/22/2013 @ 14:51 • CCV: 02/27/2013 @ 13:17	
19. Were calibration results within laboratory/project specifications? • ICAL (Criteria: ≤15 mean %RSD with individual CCC %RSD ≤30 (≤50% for poor performers), OR r≥0.995, OR r^2≥0.99, and RRF ≥0.050 (≥0.010 for poor performers)):		✓		• ICV of 02/22/2013 @ 14:06, instrument BSMC5973: o Chrysene @ -20.6%D (Lab: ≤35, Project: ≤20) o Benzo(a)pyrene @ -21.7%D (Lab: ≤35, Project:	J

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
○ If %RSD>15 (>50% for poor performers), or r <0.995, or r^2 <0.995, then J-flag positive results and UJ-flag non-detects ○ If mean RRF <0.050 (<0.010 for poor performers), then J-flag positive results and R-flag non-detects • ICV and CCV (Criteria: ≤20%D (≤50% for poor performers) and RF ≥0.050 (≥0.010 for poor performers)): ○ If %D>20 (>50% for poor performers), then J-flag positive results and UJ-flag non-detects ○ If RF <0.050 (<0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds				≤20) Bias is indicated by the CCV percent difference; therefore, J-flag detected results for benzo(a)pyrene and chrysene in associated samples[2] .	
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J-flag positive results when %R >Upper Control Limit (UCL) and J/R-flag results when %R <Lower Control Limit (LCL).	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects			✓	LCS only.	
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓			• Prep Batch 134818: 680-87655-41 (FM0161KKKK-CS), MS/MSD • Prep Batch 134819: 680-87655-65 (Batch sample), MS/MSD	
24. Is the MS/MSD parent sample a project-specific sample?	✓			See above.	
25. Were MS/MSD recoveries within laboratory/project specifications? *Only QC results for project samples that are reported under this Job ID are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If either MS or MSD recovery meets control limits, qualification of data is not warranted. • MS and MSD %R<10: J and R Flag positive and ND results, respectively • MS and MSD %R >10 and <LCL: J-Flag positive and UJ-flag non-detect results • MS and MSD R% >UCL (or 140): J-Flag positive results	✓				
26. Were laboratory criteria met for precision during the MS/MSD analysis? *Only QC results for project samples that are reported*	✓				

[2] 680-87655-41 through -52 and -57 through -60

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
under this Job ID are evaluated. • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If %RPD > UCL, J-flag positive result and UJ-flag non-detect result					
27. Were surrogate recoveries within lab/project specifications? • If %R <10, then J-flag positive and R-flag non-detect associated sample results • If %R >UCL, then J-flag positive results • %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results • If 1 %R >UCL and 1 %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results	✓				
28. Were internal standard (IS) results within lab/project specifications? • If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results • If IS area counts are greater than 100% of the midpoint calibration standard, then J-flag positive results • If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J-flag positive and R-flag non-detect results • If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. • The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met.	✓				
29. Were lab comments included in report?	✓			Refer to **Attachment C** (Case Narrative)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review* (EPA, October 1999) and *USEPA CLP NFG for Low Concentration Organic Methods Data Review* (EPA, June 2001). Sample results have been qualified based on the results of the data review process (**Attachment D**). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.					

DV Flag Definitions:

J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R	The sample results are unusable. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
UJ	The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A

SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87655-3
SDG: 68087655-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-87655-41	FM0161KKKK-CS	Solid	02/19/13 12:58	02/21/13 09:20
680-87655-42	FM0161LLLL-CS	Solid	02/19/13 13:06	02/21/13 09:20
680-87655-43	FM0161LLLL-CSD	Solid	02/19/13 13:08	02/21/13 09:20
680-87655-44	FM0161MMMM-CS	Solid	02/19/13 13:22	02/21/13 09:20
680-87655-45	FM0161NNNN-CS	Solid	02/19/13 13:38	02/21/13 09:20
680-87655-46	FM0161OOOO-CS	Solid	02/19/13 13:45	02/21/13 09:20
680-87655-47	FM0161PPPP-CS	Solid	02/19/13 13:46	02/21/13 09:20
680-87655-48	FM0161PPPP-CSD	Solid	02/19/13 13:48	02/21/13 09:20
680-87655-49	FM0161QQQQ-CS	Solid	02/19/13 13:50	02/21/13 09:20
680-87655-50	FM0161RRRR-CS	Solid	02/19/13 13:57	02/21/13 09:20
680-87655-51	FM0161SSSS-CS	Solid	02/19/13 14:01	02/21/13 09:20
680-87655-52	FM0161TTTT-CS	Solid	02/19/13 14:07	02/21/13 09:20
680-87655-53	FM0161AY-GS	Solid	02/19/13 13:11	02/21/13 09:20
680-87655-54	FM0161AZ-GS	Solid	02/19/13 13:30	02/21/13 09:20
680-87655-55	FM0161ABB-GS	Solid	02/19/13 13:32	02/21/13 09:20
680-87655-56	FM0161ACC-GS	Solid	02/19/13 13:49	02/21/13 09:20
680-87655-57	FM0161ADD-GS	Solid	02/19/13 13:58	02/21/13 09:20
680-87655-58	FM0161AEE-GS	Solid	02/19/13 14:05	02/21/13 09:20
680-87655-59	CV0038A-CS-SP	Solid	02/19/13 13:33	02/21/13 09:20
680-87655-60	CV0038B-CS-SP	Solid	02/19/13 13:51	02/21/13 09:20

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results **Attachment B**

Analyte	FM0161LLLL-CS (680-87655-42)	RL	FM0161LLLL-CSD (680-87655-43)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthylene	12	53	13	55	µg/kg	270	NA	1	108	None, absolute difference ≤ 2x Avg RL
Anthracene	12	11	14	12	µg/kg	57.5	NA	2	23	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	78	11	87	11	µg/kg	55	11	NA	NA	None, RPD ≤ 50%
Benzo(a)pyrene	75	14	65	14	µg/kg	70	NA	10	28	None, absolute difference ≤ 2x Avg RL
Benzo(b)fluoranthene	140	16	150	17	µg/kg	82.5	7	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	58	26	58	28	µg/kg	135	NA	0	54	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	39	11	40	11	µg/kg	55	NA	1	22	None, absolute difference ≤ 2x Avg RL
Chrysene	110	12	120	12	µg/kg	60	9	NA	NA	None, RPD ≤ 50%
Dibenzo(a,h)anthracene	18	26	24	28	µg/kg	135	NA	6	54	None, absolute difference ≤ 2x Avg RL
Fluoranthene	120	26	120	28	µg/kg	135	NA	0	54	None, absolute difference ≤ 2x Avg RL
Fluorene	11	26	11	28	µg/kg	135	NA	0	54	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	52	26	55	28	µg/kg	135	NA	3	54	None, absolute difference ≤ 2x Avg RL
1-Methylnaphthalene	45	53	68	55	µg/kg	270	NA	23	108	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	68	53	76	55	µg/kg	270	NA	8	108	None, absolute difference ≤ 2x Avg RL
Naphthalene	67	53	95	55	µg/kg	270	NA	28	108	None, absolute difference ≤ 2x Avg RL
Phenanthrene	88	11	120	11	µg/kg	55	**31**	NA	NA	None, RPD ≤ 50%
Pyrene	110	26	110	28	µg/kg	135	NA	0	54	None, absolute difference ≤ 2x Avg RL

Note: If the analyte was not detected, then the cell was left blank.

Analyte	FM0161PPPP-CS (680-87655-47)	RL	FM0161PPPP-CSD (680-87655-48)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthylene	9.8	54	8.7	51	µg/kg	262.5	NA	1.1	105	None, absolute difference ≤ 2x Avg RL
Anthracene	15	11	17	11	µg/kg	55	NA	2	22	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	79	11	86	10	µg/kg	52.5	8	NA	NA	None, RPD ≤ 50%
Benzo(a)pyrene	72	14	80	13	µg/kg	67.5	11	NA	NA	None, RPD ≤ 50%
Benzo(b)fluoranthene	120	17	130	15	µg/kg	80	8	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	60	27	58	25	µg/kg	130	NA	2	52	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	55	11	61	10	µg/kg	52.5	10	NA	NA	None, RPD ≤ 50%
Chrysene	120	12	110	11	µg/kg	57.5	9	NA	NA	None, RPD ≤ 50%
Dibenzo(a,h)anthracene	18	27	19	25	µg/kg	130	NA	1	52	None, absolute difference ≤ 2x Avg RL
Fluoranthene	110	27	150	25	µg/kg	130	NA	40	52	None, absolute difference ≤ 2x Avg RL
Fluorene	11	27	13	25	µg/kg	130	NA	2	52	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	44	27	56	25	µg/kg	130	NA	12	52	None, absolute difference ≤ 2x Avg RL
1-Methylnaphthalene	65	54	56	51	µg/kg	262.5	NA	9	105	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	81	54	85	51	µg/kg	262.5	NA	4	105	None, absolute difference ≤ 2x Avg RL
Naphthalene	90	54	86	51	µg/kg	262.5	NA	4	105	None, absolute difference ≤ 2x Avg RL
Phenanthrene	110	11	110	10	µg/kg	52.5	0	NA	NA	None, RPD ≤ 50%
Pyrene	110	27	140	25	µg/kg	130	NA	30	52	None, absolute difference ≤ 2x Avg RL

Note: If the analyte was not detected, then the cell was left blank.

µg/kg - micrograms per kilogram
J - Estimated value
NA - Not applicable
RL - Reporting limit
RPD - Relative percent difference
UJ - Not detected and the limit is estimated

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

ATTACHMENT C

CASE NARRATIVE

Job ID: 680-87655-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-87655-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/21/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4º C and 2.8º C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples FM0161KKKK-CS (680-87655-41), FM0161LLLL-CS (680-87655-42), FM0161LLLL-CSD (680-87655-43), FM0161MMMM-CS (680-87655-44), FM0161NNNN-CS (680-87655-45), FM0161OOOO-CS (680-87655-46), FM0161PPPP-CS (680-87655-47), FM0161PPPP-CSD (680-87655-48), FM0161QQQQ-CS (680-87655-49), FM0161RRRR-CS (680-87655-50), FM0161SSSS-CS (680-87655-51), FM0161TTTT-CS (680-87655-52), FM0161AY-GS (680-87655-53), FM0161AZ-GS (680-87655-54), FM0161ABB-GS (680-87655-55), FM0161ACC-GS (680-87655-56), FM0161ADD-GS (680-87655-57), FM0161AEE-GS (680-87655-58), CV0038A-CS-SP (680-87655-59) and CV0038B-CS-SP (680-87655-60) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 02/25/2013 and analyzed on 02/27/2013 and 02/28/2013.

Samples CV0038A-CS-SP (680-87655-59)[4X] and CV0038B-CS-SP (680-87655-60)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Semivolatile Organic Compounds by GCMS - Low Level analyses.

All quality control parameters were within the acceptance limits.

ATTACHMENT D

QUALIFIED SAMPLE RESULTS

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87655-3
SDG: 68087655-3

Client Sample ID: FM0161KKKK-CS
Date Collected: 02/19/13 12:58
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-41
Matrix: Solid
Percent Solids: 75.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	27	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Acenaphthylene	**9.2**	**J**	53	6.7	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Anthracene	**14**		11	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Benzo[a]anthracene	**65**		11	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Benzo[a]pyrene	**58**	J	14	6.9	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Benzo[b]fluoranthene	**120**		16	8.1	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Benzo[g,h,i]perylene	**58**		27	5.9	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Benzo[k]fluoranthene	**30**		11	4.8	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Chrysene	**96**	J	12	6.0	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Dibenz(a,h)anthracene	**19**	J	27	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Fluoranthene	**100**		27	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Fluorene	**11**	J	27	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Indeno[1,2,3-cd]pyrene	**39**		27	9.5	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
1-Methylnaphthalene	**58**		53	5.9	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
2-Methylnaphthalene	**60**		53	9.5	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Naphthalene	**59**		53	5.9	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Phenanthrene	**91**		11	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1
Pyrene	**100**		27	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*30 - 130*	*02/25/13 14:06*	*02/27/13 18:42*	*1*

Client Sample ID: FM0161LLLL-CS
Date Collected: 02/19/13 13:06
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-42
Matrix: Solid
Percent Solids: 75.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Acenaphthylene	**12**	**J**	53	6.6	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Anthracene	**12**		11	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Benzo[a]anthracene	**78**		11	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Benzo[a]pyrene	**75**	J	14	6.8	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Benzo[b]fluoranthene	**140**		16	8.0	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Benzo[g,h,i]perylene	**58**		26	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Benzo[k]fluoranthene	**39**		11	4.7	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Chrysene	**110**	J	12	5.9	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Dibenz(a,h)anthracene	**18**	J	26	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Fluoranthene	**120**		26	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Fluorene	**11**	J	26	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Indeno[1,2,3-cd]pyrene	**52**		26	9.3	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
1-Methylnaphthalene	**45**	J	53	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
2-Methylnaphthalene	**68**		53	9.3	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Naphthalene	**67**		53	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Phenanthrene	**88**		11	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1
Pyrene	**110**		26	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*30 - 130*	*02/25/13 14:06*	*02/27/13 19:37*	*1*

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample ID: FM0161LLLL-CSD
Date Collected: 02/19/13 13:08
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-43
Matrix: Solid
Percent Solids: 72.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Acenaphthylene	**13**	**J**	55	6.9	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Anthracene	**14**		12	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Benzo[a]anthracene	**87**		11	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Benzo[a]pyrene	**65**	**J**	14	7.2	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Benzo[b]fluoranthene	**150**		17	8.4	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Benzo[g,h,i]perylene	**58**		28	6.1	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Benzo[k]fluoranthene	**40**		11	5.0	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Chrysene	**120**	**J**	12	6.2	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Dibenz(a,h)anthracene	**24**	**J**	28	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Fluoranthene	**120**		28	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Fluorene	**11**	**J**	28	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Indeno[1,2,3-cd]pyrene	**55**		28	9.8	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
1-Methylnaphthalene	**68**		55	6.1	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
2-Methylnaphthalene	**76**		55	9.8	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Naphthalene	**95**		55	6.1	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Phenanthrene	**120**		11	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1
Pyrene	**110**		28	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*30 - 130*	*02/25/13 14:06*	*02/27/13 19:55*	*1*

Client Sample ID: FM0161MMMM-CS
Date Collected: 02/19/13 13:22
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-44
Matrix: Solid
Percent Solids: 78.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	25	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Acenaphthylene	**20**	**J**	51	6.3	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Anthracene	**29**		11	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Benzo[a]anthracene	**180**		10	5.0	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Benzo[a]pyrene	**140**	**J**	13	6.6	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Benzo[b]fluoranthene	**310**		15	7.7	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Benzo[g,h,i]perylene	**90**		25	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Benzo[k]fluoranthene	**76**		10	4.6	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Chrysene	**210**	**J**	11	5.7	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Dibenz(a,h)anthracene	**28**		25	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Fluoranthene	**270**		25	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Fluorene	**8.8**	**J**	25	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Indeno[1,2,3-cd]pyrene	**84**		25	9.0	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
1-Methylnaphthalene	**51**		51	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
2-Methylnaphthalene	**49**	**J**	51	9.0	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Naphthalene	**59**		51	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Phenanthrene	**130**		10	5.0	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1
Pyrene	**290**		25	4.7	ug/Kg	☼	02/25/13 14:06	02/27/13 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*30 - 130*	*02/25/13 14:06*	*02/27/13 20:13*	*1*

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87655-3
SDG: 68087655-3

Client Sample ID: FM0161NNNN-CS
Date Collected: 02/19/13 13:38
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-45
Matrix: Solid
Percent Solids: 75.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Acenaphthylene	**14**	**J**	53	6.6	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Anthracene	**14**		11	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Benzo[a]anthracene	**76**		11	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Benzo[a]pyrene	**69**	J	14	6.9	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Benzo[b]fluoranthene	**140**		16	8.0	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Benzo[g,h,i]perylene	**55**		26	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Benzo[k]fluoranthene	**34**		11	4.7	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Chrysene	**100**	J	12	5.9	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Dibenz(a,h)anthracene	**15**	**J**	26	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Fluoranthene	**130**		26	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Fluorene	**9.9**	**J**	26	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Indeno[1,2,3-cd]pyrene	**42**		26	9.4	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
1-Methylnaphthalene	**74**		53	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
2-Methylnaphthalene	**76**		53	9.4	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Naphthalene	**82**		53	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Phenanthrene	**110**		11	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1
Pyrene	**120**		26	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*74*		*30 - 130*	*02/25/13 14:06*	*02/27/13 20:32*	*1*

Client Sample ID: FM0161OOOO-CS
Date Collected: 02/19/13 13:45
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-46
Matrix: Solid
Percent Solids: 78.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	25	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Acenaphthylene	**13**	**J**	50	6.2	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Anthracene	**18**		10	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Benzo[a]anthracene	**91**		10	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Benzo[a]pyrene	**91**	J	13	6.5	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Benzo[b]fluoranthene	**150**		15	7.6	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Benzo[g,h,i]perylene	**62**		25	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Benzo[k]fluoranthene	**65**		10	4.5	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Chrysene	**120**	J	11	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Dibenz(a,h)anthracene	**21**	**J**	25	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Fluoranthene	**150**		25	5.0	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Fluorene	**13**	**J**	25	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Indeno[1,2,3-cd]pyrene	**53**		25	8.8	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
1-Methylnaphthalene	**65**		50	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
2-Methylnaphthalene	**88**		50	8.8	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Naphthalene	**100**		50	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Phenanthrene	**130**		10	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1
Pyrene	**140**		25	4.6	ug/Kg	☼	02/25/13 14:06	02/27/13 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*30 - 130*	*02/25/13 14:06*	*02/27/13 20:50*	*1*

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87655-3
SDG: 68087655-3

Client Sample ID: FM0161PPPP-CS
Date Collected: 02/19/13 13:46
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-47
Matrix: Solid
Percent Solids: 73.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	27	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Acenaphthylene	**9.8**	**J**	54	6.8	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Anthracene	**15**		11	5.7	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Benzo[a]anthracene	**79**		11	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Benzo[a]pyrene	**72**	**J**	14	7.1	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Benzo[b]fluoranthene	**120**		17	8.3	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Benzo[g,h,i]perylene	**60**		27	6.0	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Benzo[k]fluoranthene	**55**		11	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Chrysene	**120**	**J**	12	6.1	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Dibenz(a,h)anthracene	**18**	**J**	27	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Fluoranthene	**110**		27	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Fluorene	**11**	**J**	27	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Indeno[1,2,3-cd]pyrene	**44**		27	9.7	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
1-Methylnaphthalene	**65**		54	6.0	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
2-Methylnaphthalene	**81**		54	9.7	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Naphthalene	**90**		54	6.0	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Phenanthrene	**110**		11	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1
Pyrene	**110**		27	5.0	ug/Kg	☼	02/25/13 14:06	02/27/13 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*30 - 130*	*02/25/13 14:06*	*02/27/13 21:08*	*1*

Client Sample ID: FM0161PPPP-CSD
Date Collected: 02/19/13 13:48
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-48
Matrix: Solid
Percent Solids: 79.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	25	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Acenaphthylene	**8.7**	**J**	51	6.3	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Anthracene	**17**		11	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Benzo[a]anthracene	**86**		10	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Benzo[a]pyrene	**80**	**J**	13	6.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Benzo[b]fluoranthene	**130**		15	7.7	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Benzo[g,h,i]perylene	**58**		25	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Benzo[k]fluoranthene	**61**		10	4.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Chrysene	**110**	**J**	11	5.7	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Dibenz(a,h)anthracene	**19**	**J**	25	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Fluoranthene	**150**		25	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Fluorene	**13**	**J**	25	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Indeno[1,2,3-cd]pyrene	**56**		25	9.0	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
1-Methylnaphthalene	**56**		51	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
2-Methylnaphthalene	**85**		51	9.0	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Naphthalene	**86**		51	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Phenanthrene	**110**		10	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1
Pyrene	**140**		25	4.7	ug/Kg	☼	02/25/13 14:06	02/27/13 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*30 - 130*	*02/25/13 14:06*	*02/27/13 21:27*	*1*

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample ID: FM0161QQQQ-CS
Date Collected: 02/19/13 13:50
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-49
Matrix: Solid
Percent Solids: 78.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	25	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Acenaphthylene	**12**	**J**	51	6.4	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Anthracene	**16**		11	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Benzo[a]anthracene	**76**		10	5.0	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Benzo[a]pyrene	**63**	**J**	13	6.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Benzo[b]fluoranthene	**120**		16	7.8	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Benzo[g,h,i]perylene	**56**		25	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Benzo[k]fluoranthene	**30**		10	4.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Chrysene	**110**	**J**	11	5.7	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Dibenz(a,h)anthracene	**19**	**J**	25	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Fluoranthene	**98**		25	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Fluorene	**7.8**	**J**	25	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Indeno[1,2,3-cd]pyrene	**32**		25	9.0	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
1-Methylnaphthalene	**200**		51	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
2-Methylnaphthalene	**250**		51	9.0	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Naphthalene	**160**		51	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Phenanthrene	**110**		10	5.0	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1
Pyrene	**97**		25	4.7	ug/Kg	☼	02/25/13 14:06	02/27/13 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*30 - 130*	*02/25/13 14:06*	*02/27/13 21:45*	*1*

Client Sample ID: FM0161RRRR-CS
Date Collected: 02/19/13 13:57
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-50
Matrix: Solid
Percent Solids: 76.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Acenaphthylene	**8.0**	**J**	53	6.6	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Anthracene	**6.8**	**J**	11	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Benzo[a]anthracene	**49**		11	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Benzo[a]pyrene	**45**	**J**	14	6.9	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Benzo[b]fluoranthene	**94**		16	8.1	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Benzo[g,h,i]perylene	**40**		26	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Benzo[k]fluoranthene	**29**		11	4.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Chrysene	**77**	**J**	12	5.9	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Dibenz(a,h)anthracene	**21**	**J**	26	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Fluoranthene	**73**		26	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Fluorene	**6.0**	**J**	26	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Indeno[1,2,3-cd]pyrene	**26**		26	9.4	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
1-Methylnaphthalene	**40**	**J**	53	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
2-Methylnaphthalene	**49**	**J**	53	9.4	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Naphthalene	**50**	**J**	53	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Phenanthrene	**77**		11	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1
Pyrene	**62**		26	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*30 - 130*	*02/25/13 14:06*	*02/27/13 22:04*	*1*

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87655-3
SDG: 68087655-3

Client Sample ID: FM0161SSSS-CS
Date Collected: 02/19/13 14:01
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-51
Matrix: Solid
Percent Solids: 75.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Acenaphthylene	**7.0**	**J**	52	6.6	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Anthracene	**17**		11	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Benzo[a]anthracene	**78**		10	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Benzo[a]pyrene	**67**	J	14	6.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Benzo[b]fluoranthene	**110**		16	8.0	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Benzo[g,h,i]perylene	**53**		26	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Benzo[k]fluoranthene	**47**		10	4.7	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Chrysene	**90**	J	12	5.9	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Dibenz(a,h)anthracene	**19**	**J**	26	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Fluoranthene	**120**		26	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Fluorene	**9.8**	**J**	26	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Indeno[1,2,3-cd]pyrene	**47**		26	9.3	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
1-Methylnaphthalene	**57**		52	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
2-Methylnaphthalene	**60**		52	9.3	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Naphthalene	**58**		52	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Phenanthrene	**100**		10	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1
Pyrene	**110**		26	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*30 - 130*	*02/25/13 14:06*	*02/27/13 22:22*	*1*

Client Sample ID: FM0161TTTT-CS
Date Collected: 02/19/13 14:07
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-52
Matrix: Solid
Percent Solids: 73.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Acenaphthylene	53	U	53	6.6	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Anthracene	**12**		11	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Benzo[a]anthracene	**56**		11	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Benzo[a]pyrene	**48**	J	14	6.9	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Benzo[b]fluoranthene	**99**		16	8.1	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Benzo[g,h,i]perylene	**39**		26	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Benzo[k]fluoranthene	**25**		11	4.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Chrysene	**87**	J	12	6.0	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Dibenz(a,h)anthracene	**14**	**J**	26	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Fluoranthene	**84**		26	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Fluorene	**7.7**	**J**	26	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Indeno[1,2,3-cd]pyrene	**30**		26	9.4	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
1-Methylnaphthalene	**44**	**J**	53	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
2-Methylnaphthalene	**41**	**J**	53	9.4	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Naphthalene	**53**		53	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Phenanthrene	**78**		11	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1
Pyrene	**85**		26	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*30 - 130*	*02/25/13 14:06*	*02/27/13 22:40*	*1*

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87655-3
SDG: 68087655-3

Client Sample ID: FM0161AY-GS
Date Collected: 02/19/13 13:11
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-53
Matrix: Solid
Percent Solids: 69.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Acenaphthylene	**13**	**J**	56	7.0	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Anthracene	**22**		12	5.9	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Benzo[a]anthracene	**95**		11	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Benzo[a]pyrene	**81**		15	7.3	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Benzo[b]fluoranthene	**150**		17	8.6	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Benzo[g,h,i]perylene	**66**		28	6.2	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Benzo[k]fluoranthene	**51**		11	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Chrysene	**130**		13	6.3	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Dibenz(a,h)anthracene	**23**	**J**	28	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Fluoranthene	**170**		28	5.6	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Fluorene	**7.1**	**J**	28	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Indeno[1,2,3-cd]pyrene	**59**		28	10	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
1-Methylnaphthalene	**43**	**J**	56	6.2	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
2-Methylnaphthalene	**52**	**J**	56	10	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Naphthalene	**56**		56	6.2	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Phenanthrene	**120**		11	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1
Pyrene	**140**		28	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*55*		*30 - 130*	*02/25/13 14:06*	*02/27/13 17:05*	*1*

Client Sample ID: FM0161AZ-GS
Date Collected: 02/19/13 13:30
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-54
Matrix: Solid
Percent Solids: 83.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Acenaphthylene	**10**	**J**	48	6.0	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Anthracene	**16**		10	5.1	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Benzo[a]anthracene	**77**		9.6	4.7	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Benzo[a]pyrene	**73**		13	6.3	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Benzo[b]fluoranthene	**130**		15	7.3	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Benzo[g,h,i]perylene	**66**		24	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Benzo[k]fluoranthene	**44**		9.6	4.3	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Chrysene	**100**		11	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Dibenz(a,h)anthracene	**20**	**J**	24	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Fluoranthene	**130**		24	4.8	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Fluorene	**7.2**	**J**	24	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Indeno[1,2,3-cd]pyrene	**58**		24	8.5	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
1-Methylnaphthalene	**40**	**J**	48	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
2-Methylnaphthalene	**47**	**J**	48	8.5	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Naphthalene	**48**		48	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Phenanthrene	**92**		9.6	4.7	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1
Pyrene	**110**		24	4.5	ug/Kg	☼	02/25/13 14:06	02/27/13 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*30 - 130*	*02/25/13 14:06*	*02/27/13 17:28*	*1*

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87655-3
SDG: 68087655-3

Client Sample ID: FM0161ABB-GS
Date Collected: 02/19/13 13:32
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-55
Matrix: Solid
Percent Solids: 67.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	29	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Acenaphthylene	**23**	**J**	58	7.3	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Anthracene	**43**		12	6.1	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Benzo[a]anthracene	**120**		12	5.7	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Benzo[a]pyrene	**110**		15	7.5	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Benzo[b]fluoranthene	**250**		18	8.8	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Benzo[g,h,i]perylene	**94**		29	6.4	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Benzo[k]fluoranthene	**69**		12	5.2	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Chrysene	**170**		13	6.5	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Dibenz(a,h)anthracene	**29**		29	5.9	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Fluoranthene	**190**		29	5.8	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Fluorene	**8.4**	**J**	29	5.9	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Indeno[1,2,3-cd]pyrene	**87**		29	10	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
1-Methylnaphthalene	**74**		58	6.4	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
2-Methylnaphthalene	**84**		58	10	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Naphthalene	**87**		58	6.4	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Phenanthrene	**120**		12	5.7	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1
Pyrene	**200**		29	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*30 - 130*	*02/25/13 14:06*	*02/27/13 17:50*	*1*

Client Sample ID: FM0161ACC-GS
Date Collected: 02/19/13 13:49
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-56
Matrix: Solid
Percent Solids: 73.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	27	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Acenaphthylene	54	U	54	6.8	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Anthracene	**6.8**	**J**	11	5.7	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Benzo[a]anthracene	**26**		11	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Benzo[a]pyrene	**20**		14	7.0	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Benzo[b]fluoranthene	**33**		17	8.3	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Benzo[g,h,i]perylene	**20**	**J**	27	6.0	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Benzo[k]fluoranthene	**11**		11	4.9	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Chrysene	**32**		12	6.1	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Dibenz(a,h)anthracene	27	U	27	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Fluoranthene	**41**		27	5.4	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Fluorene	27	U	27	5.5	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Indeno[1,2,3-cd]pyrene	**14**	**J**	27	9.6	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
1-Methylnaphthalene	**12**	**J**	54	6.0	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
2-Methylnaphthalene	**15**	**J**	54	9.6	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Naphthalene	**21**	**J**	54	6.0	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Phenanthrene	**35**		11	5.3	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1
Pyrene	**35**		27	5.0	ug/Kg	☼	02/25/13 14:06	02/27/13 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*30 - 130*	*02/25/13 14:06*	*02/27/13 18:13*	*1*

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87655-3
SDG: 68087655-3

Client Sample ID: FM0161ADD-GS
Date Collected: 02/19/13 13:58
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-57
Matrix: Solid
Percent Solids: 82.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Acenaphthylene	49	U	49	6.1	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Anthracene	**6.1**	**J**	10	5.1	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Benzo[a]anthracene	**33**		9.7	4.7	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Benzo[a]pyrene	**33**	J	13	6.3	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Benzo[b]fluoranthene	**57**		15	7.4	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Benzo[g,h,i]perylene	**39**		24	5.3	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Benzo[k]fluoranthene	**16**		9.7	4.4	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Chrysene	**50**	J	11	5.5	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Dibenz(a,h)anthracene	**12**	J	24	5.0	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Fluoranthene	**44**		24	4.9	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Fluorene	24	U	24	5.0	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Indeno[1,2,3-cd]pyrene	**22**	J	24	8.6	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
1-Methylnaphthalene	**22**	J	49	5.3	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
2-Methylnaphthalene	**25**	J	49	8.6	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Naphthalene	**30**	J	49	5.3	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Phenanthrene	**39**		9.7	4.7	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1
Pyrene	**34**		24	4.5	ug/Kg	☼	02/25/13 15:00	02/28/13 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*30 - 130*	*02/25/13 15:00*	*02/28/13 17:06*	*1*

Client Sample ID: FM0161AEE-GS
Date Collected: 02/19/13 14:05
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-58
Matrix: Solid
Percent Solids: 71.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	27	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Acenaphthylene	54	U	54	6.8	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Anthracene	**6.8**	**J**	11	5.7	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Benzo[a]anthracene	**49**		11	5.3	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Benzo[a]pyrene	**35**	J	14	7.1	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Benzo[b]fluoranthene	**60**		17	8.3	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Benzo[g,h,i]perylene	**32**		27	6.0	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Benzo[k]fluoranthene	**20**		11	4.9	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Chrysene	**46**	J	12	6.1	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Dibenz(a,h)anthracene	**11**	J	27	5.6	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Fluoranthene	**73**		27	5.4	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Fluorene	**6.8**	**J**	27	5.6	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Indeno[1,2,3-cd]pyrene	**31**		27	9.7	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
1-Methylnaphthalene	**18**	J	54	6.0	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
2-Methylnaphthalene	**23**	J	54	9.7	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Naphthalene	**32**	J	54	6.0	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Phenanthrene	**48**		11	5.3	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1
Pyrene	**58**		27	5.0	ug/Kg	☼	02/25/13 15:00	02/28/13 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*30 - 130*	*02/25/13 15:00*	*02/28/13 17:25*	*1*

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87655-3
SDG: 68087655-3

Client Sample ID: CV0038A-CS-SP
Date Collected: 02/19/13 13:33
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-59
Matrix: Solid
Percent Solids: 71.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	550	U	550	110	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Acenaphthylene	**28**	**J**	220	28	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Anthracene	**29**	**J**	46	23	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Benzo[a]anthracene	**150**		44	22	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Benzo[a]pyrene	**150**	J	57	29	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Benzo[b]fluoranthene	**280**		67	34	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Benzo[g,h,i]perylene	**130**		110	24	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Benzo[k]fluoranthene	**94**		44	20	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Chrysene	**200**	J	50	25	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Dibenz(a,h)anthracene	**29**	**J**	110	23	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Fluoranthene	**250**		110	22	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Fluorene	110	U	110	23	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Indeno[1,2,3-cd]pyrene	**100**	**J**	110	39	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
1-Methylnaphthalene	**83**	**J**	220	24	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
2-Methylnaphthalene	**73**	**J**	220	39	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Naphthalene	**54**	**J**	220	24	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Phenanthrene	**160**		44	22	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4
Pyrene	**190**		110	20	ug/Kg	☼	02/25/13 15:00	02/28/13 17:43	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*30 - 130*	*02/25/13 15:00*	*02/28/13 17:43*	*4*

Client Sample ID: CV0038B-CS-SP
Date Collected: 02/19/13 13:51
Date Received: 02/21/13 09:20

Lab Sample ID: 680-87655-60
Matrix: Solid
Percent Solids: 80.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	500	U	500	99	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Acenaphthylene	**88**	**J**	200	25	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Anthracene	**80**		42	21	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Benzo[a]anthracene	**470**		40	19	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Benzo[a]pyrene	**500**	J	52	26	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Benzo[b]fluoranthene	**950**		61	30	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Benzo[g,h,i]perylene	**450**		99	22	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Benzo[k]fluoranthene	**380**		40	18	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Chrysene	**690**	J	45	22	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Dibenz(a,h)anthracene	**150**		99	20	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Fluoranthene	**640**		99	20	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Fluorene	**38**	**J**	99	20	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Indeno[1,2,3-cd]pyrene	**340**		99	35	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
1-Methylnaphthalene	**200**		200	22	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
2-Methylnaphthalene	**290**		200	35	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Naphthalene	**250**		200	22	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Phenanthrene	**470**		40	19	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4
Pyrene	**600**		99	18	ug/Kg	☼	02/25/13 15:00	02/28/13 18:02	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*30 - 130*	*02/25/13 15:00*	*02/28/13 18:02*	*4*